

Title (en)
MOBILE ROBOT AND CONTROL METHOD THEREFOR

Title (de)
MOBILER ROBOTER UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
ROBOT MOBILE ET SON PROCÉDÉ DE COMMANDE

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Application
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Abstract (en)
[origin: EP3590665A1] The present invention relates to a moving robot and a control method thereof, and includes a sensor unit configured to detect an obstacle located in a traveling direction; a camera configured to photograph the obstacle, when the obstacle is detected by the sensor unit; a controller configured to control a certain operation to be performed in accordance with the obstacle. The controller analyzes a plurality of image data of the obstacle inputted from the camera to determine whether the obstacle can be identified and filters the image data, transmits the filtered image data among the plurality of image data to the server through the communication unit, and controls the traveling unit in accordance with obstacle information received from the server. Hence, by transmitting only recognizable image, unnecessary data transmission is reduced, and accordingly, transmission traffic is reduced and the load of image processing of the server is reduced. As the load of the server decreases, the obstacle can be quickly determined, and accordingly, the moving robot can recognize the obstacle in a short time and determine the type of the obstacle to cope with, thereby performing the operation suitable for the feature of the obstacle, the cleaning area, or the surrounding environment.

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